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**CERTIFICATE OF MAILING**

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Dated: December 28, 2005

  
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Kevin L. Russell

Atty. Docket No.  
7146.0125

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Baoxin Li

Group Art Unit: 3711

U.S. Pat. App. No.: 10/058,684

Examiner: TBD

Filed: January 28, 2002

Customer No.: 00152

Title: SUMMARIZATION OF SUMO VIDEO CONTENT

**INFORMATION DISCLOSURE STATEMENT**  
**IN ACCORDANCE WITH 37 CFR §1.98**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Applicant submits herewith two sheets of Form PTO-1449 (Modified) listing the patents and non-patent references of which Applicant is aware and which Applicant desires to have considered by the Patent Office in accordance with 37 CFR §1.97. In accordance with 37 CFR §1.97(c)(2), this Information Disclosure Statement is being submitted after the mailing date of a first Office Action on the merits of the above-identified application.

In accordance with 37 CFR §1.97(h), the filing of this Information Disclosure Statement will not be regarded as an admission that any patent or publication or combination of patents referred to herein is, or is considered to be, material to patentability under 37 CFR §1.56(b) unless specifically designated as such.

The Examiner is requested to initial Form PTO-1449 and return an acknowledgment copy to the Applicant to confirm that the listed references were received and considered.

This Information Disclosure Statement is being submitted with the requisite fee of \$180.00. The Commissioner is hereby authorized to charge any additional fees, or credit any overpayment, to Deposit Account No. 03-1550.

The person making this statement is the attorney who signs below on the basis of the information supplied by the inventor and the information in his file.

Respectfully submitted,

**CHERNOFF, VILHAUER, McCLUNG & STENZEL**

By: \_\_\_\_\_



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Dated: December 28, 2005



# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(Use as many sheets as necessary)*

Sheet		of		Attorney Docket Number
				7146.0125

## Complete if Known

Application Number	10/058,684
Filing Date	January 28, 2002
First Named Inventor	Baoxin Li
Art Unit	3711
Examiner Name	TBD

## U. S. PATENT DOCUMENTS

Examiner Initials	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant, Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US-4,253,108	02-24-1981	Engel	
		US-4,298,884	11-03-1981	Reneau	
		US-5,452,016	09-19-1995	Ohara, et al.	
		US-5,521,841	05-28-1996	Arman, et al.	
		US-5,635,982	06-03-1997	Zhang, et al.	
		US-5,654,769	08-05-1997	Ohara, et al.	
		US-5,778,108	07-07-1998	Coleman, Jr.	
		US-5,920,360	07-06-1999	Coleman, Jr.	
		US-5,923,365	07-13-1999	Tamir, et al.	
		US-5,959,681	09-28-1999	Cho	
		US-5,959,697	09-28-1999	Coleman, Jr.	
		US-5,990,980	11-23-1999	Golin	
		US-6,055,018	04-25-2000	Swan	
		US-6,100,941	08-2000	Dimitrova, et al.	
		US- 6,144,375	11-07-2000	Jain, et al.	
		US-6,219,837	04-17-2001	Yeo, et al.	
		US-6,342,904	01-29-2002	Vasudevan, et al.	
		US-6,418,168	07-09-2002	Narita	
		US-6,549,643	04-15-2003	Toklu, et al.	
		US-6,556,767	04-29-2003	Okayama, et al.	
		US-6,678,635	01-13-2004	Torinkere, et al.	
		US-6,724,933	04-2004	Lin et al.	
		US-2004 0125124	07-01-2004	Kim, et al.	
		US-6,774,917	08-10-2004	Foote, et al.	
		US-6,970,510	11-2005	Wee, et al.	

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		SUNGHOON CHOI, YONGDUEK SEO, HYUNWOO KIM, and KI-SANG HONG, "Where are the ball and players?: Soccer Game Analysis with Color-based Tracking and Image Mosaick," Dept. of EE, Pohang University of Science and Technology, Republic of Korea, pp. 1-15.	
		VIKRANT KOBLA, DANIEL DeMENTHON, and DAVID DOERMANN, "Identifying Sports Videos Using Replay, Text, and Camera Motion Features," University of Maryland, Laboratory for Language and Media Processing; at least one year prior to filing date; 12 pages.	
		RICHARD W. CONNERS and CHARLES A. HARLOW, "A Theoretical Comparison of Texture Algorithms," IEEE Transactions on Pattern Analysis and Machine Intelligence, Vol. PAMI-2, No. 3, May 1980, pp.204-222.	<input type="checkbox"/>

	S. E. LEVINSON, L. R. RABINER, and M. M. SONDHI, "An Introduction to the Application of the Theory of Probabilistic Functions of a Markov Process to Automatic Speech Recognition," American Telephone and Telegraph Company, The Bell System Technical Journal, Vol. 62, No. 4, April 1983, pp. 1035-1074.	
	STEPHEN S. INTILLE, "Tracking Using a Local Closed-World Assumption: Tracking in the Football Domain," M.I.T. Media Lab Perceptual Computing Group Technical Report No. 296, pp. 1-62, Submitted to the Program in Media Arts and Sciences, School of Architecture and Planning on August 5, 1994.	
	NOBORU BABGUCHI, YOSHIHIKO KAWAI, YUKINOBU YASUGI, and TADAHIRO KITAHASHI, "Linking Live and Replay Scenes in Broadcasted Sports Video," Proceedings of ACM Multimedia 2000 Workshop on Multimedia Information Retrieval (MIR2000), pp. 205-208, November 2000.	
	LEXING XIE, "Segmentation and Event Detection in Soccer Audio," EE 6820 Project, Soccer Audio, Columbia University, May 15, 2001, pp. 1-9.	
	PENG XU, CHIH-FU CHANG, AJAY DIVAKARAN, ANTHONY VETRO, and HUIFANG SUN, "Algorithms and System for High-Level Structure Analysis and Event Detection in Soccer Video," Columbia University, ADVENT – Technical Report #111, June 2001.	
	BAOXIN LI and M. IBRAHIM SEZAN, "Event Detection and Summarization in sports Video," to be presented in IEEE Workshop on Content-Based Access of Image and Video Libraries (Joint with CUPR), Kauai, Hawaii, December 2001.	
	HAO PAN, BAOXIN LI, and M. IBRAHIM SEZAN, "Automatic Detection of Replay Segments in Broadcast Sports Programs by Detection of Logos in Scene Transitions," IEEE ICASSP 2002, pp. 3385-3388.	
	LEXING XIE and SHIH-FU CHANG, "Structure Analysis of Soccer Video with Hidden Markov Models," ICASSP, 2002.	
	RICCARDO LEONARDI and PERANGELO MIGLIORATI, "Semantic Indexing of Multimedia Documents," IEEE 2002 (April – June 2002), pp. 44-51.	

Examiner Signature		Date Considered	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.